

What is claimed is:

1. A gasket material to be mounted on an engine of a vehicle, comprising:

5 a metal plate;

a film made from silica and a reaction product of an acid component and a metal or a compound of a metal, and

a rubber layer formed on at least one of opposite surfaces of the metal plate through the film.

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2. A gasket material according to Claim 1,

wherein the acid component for the film is comprised of at least one kind selected from phosphoric acid, orthophosphoric acid, condensed phosphoric acid, anhydrous phosphoric acid, acetic acid, formic acid, sulfuric acid, nitric acid, hydrofluoric acid, fluorocomplex and organic acid.

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3. A gasket material according to Claim 1,

wherein the metal for the film is comprised of at least one kind selected from Fe (iron), Zn (zinc), Ni (nickel), Al (aluminum), Ti (titanium), Zr (zirconium), Mg (magnesium), Mn (manganese), Ca (calcium), W (tungsten), Ce (cerium), V (vanadium), Mo (molybdenum), Li (lithium) and Co (cobalt).

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4. A gasket material according to Claim 1,
wherein the acid component is blended at a ratio of
5-50 wt% in solid content of a treatment solution for forming
the film.

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5. A gasket material according to Claim 1,
wherein the silica is blended at a ratio of 10-60 wt%
in the film.

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6. A gasket material according to Claim 1,
wherein the metal or the compound of the metal is blended
at a ratio of 1-30 wt% in solid content of the treatment solution
for forming the film.

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7. A gasket material according to Claim 1,
wherein a mixture of a first acid component and a second
acid component is used as the acid component,

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the first acid component is one kind selected from
phosphoric acid, orthophosphoric acid, condensed phosphoric
acid, anhydrous phosphoric acid, acetic acid, formic acid,
sulfuric acid, nitric acid, hydrofluoric acid, fluorocomplex
and organic acid, and

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the second acid component is another kind than the
kind selected as the first acid component, and is one kind
selected from acetic acid, formic acid, hydrofluoric acid and
fluorocomplex.